

METHODS AND SYSTEMS FOR MOTION  
ADAPTIVE SPATIAL COMPOUNDING

ABSTRACT OF THE DISCLOSURE

A method of medical ultrasound imaging is provided. The method includes transmitting ultrasound waves into a volume at a first rate, receiving ultrasound echoes for each of the ultrasound waves, each echo is indicative of a density interface within the volume, each set of received echoes that corresponds to a single transmitted wave defines a steering frame, detecting motion of the array transducer, and combining a plurality of steering frames into a compound image based on the detected array transducer motion.